



PTO/SB/08a/b (08-03)
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/821,913
				Filing Date	April 12, 2004
				First Named Inventor	Hideki Sato
				Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	P9219.0007

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ² (if known)				
<i>DS</i>	AA	US-5,945,825	08-31-1999	Wolfgang Clemens		
<i>DS</i>	AB	US-5,315,282	05-24-1994	Shinjo et al.		
<i>DS</i>	AC	U.S. Patent 5,561,368	10-01-1996	Dovek et al.		
<i>DS</i>	AD	U.S. Patent 6,465,053	10/2002	Lenissen et al.		
<i>DS</i>	AE	US 2002/0006017 A1	01/2002	Derk Jan Adelerhof		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
<i>DS</i>	BA	-JP 10-70325	03-10-1998			
	BB	-JP 4-218982	08-10-1992			
	BC	JP-2000-35470	02-02-2000			
	BD	JP-2000-338211	12-08-2000			
	BE	JP-2001-345498	12-14-2001			
	BF	EP 0 905 523 A3	03/31/1999			
	BG	DE 196 49 265 A1	06/04/1998			
<i>DS</i>	BH	DE 197 42 366 C1	05/27/1999			

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<i>DS</i>	CA	Copy of Notification of Reasons for Refusal dated August 12, 2003 (and English translation of same) <i>SENSORS</i> <i>DS</i>	
<i>DS</i>	CB	"Magnetic Sensor Giant Magneto Resistors", Application Notes 10.98, October 1998, Siemens Aktiengesellschaft, Germany	
<i>DS</i>	CC	Copy of Partial European Search Report dated February 4, 2004	
<i>DS</i>	CD	Ku et al., "Precision X-Y Robotic Object Handling Using Dual GMR Bridge Sensor", IEEE Transactions on Magnetics, Vol. 36, No. 5, pgs. 2782-2784 (September 2000)	
<i>DS</i>	CE	Black & Fayfield, "High-Speed Circuits Employing On-Chip Magnetic Components", Mixed-Signal Design, SSMSD 99, 1999 Southwest Symposium, pgs. 156-161 (1999)	

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David Schindler

*Considered on
12/1/2005*



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				Filing Date	April 12, 2004
				First Named Inventor	Hideki Sato
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
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JS	BA	-DE 198 30 343 C1	04-06-2000			
JS	BB	-DE 199 33 209 A1	02-03-2000			

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JS	CA	Copy of European Search Report dated June 8, 2004	

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David S. Chandler

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JS	CA	Hill et al., Sensors and Actuators A, Vol. 59, pgs. 30-37 (1997)		
JS	CB	Ron Neale, "Taming the Giant MagnetoResistance (GMR) effect", Sensors, Electronic Engineering, pgs. 36-40 (1996)		
JS	CC	Smith et al., "The Growing Role of Solid-State Magnetic Sensing", Sensors Expo-Detroit, pgs. 139-149 (1997)		
JS	CD	Spong et al., "Giant Magnetoresistive Spin Valve Bridge Sensor", IEEE Transactions on Magnetics, Vol. 32, No. 2, pgs. 366-371 (1996)		
JS	CE	Daughton et al., "Magnetic Field Sensors Using GMR Multilayer", IEEE Transactions on Magnetics, Vol. 30, No. 6, pgs. 4608-4610 (1994)		

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regard
to this
reference.

Examiner Signature	David S. Dindles	Date Considered	12/1/2005
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